

ABSTRACT

The invention relates to a system and method for automatic generation, installation, verification and configuration of functionality that is stored in installation, verification and/or configuration files for system components that are located in a distributed network. The system includes a knowledge-based system design tool comprising a user interface, a design logic unit, a data management unit, a design database and an installation tool. System options are selected on the user interface for the design logic unit and the data management; system information for the data management unit is stored in the design database; the design logic unit generates designs for the system structure from the systems options of the user interface and supplies designs to the data management unit; and the data management unit generates and configures software packages from the systems options of the user interface, the system information of the design database and the designs for the system structure that have been generated in the design logic unit and then transmits software packages to the installation tool.